



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

James J. Howarth

Serial No.: 09/944,472

Filed: August 30, 2001

For: METHOD OF BALL GRID ARRAY  
(BGA) ALIGNMENT, METHOD OF TESTING,  
ALIGNMENT APPARATUS AND  
SEMICONDUCTOR DEVICE ASSEMBLY

Confirmation No.: 1559

Examiner: J. Diaz

Group Art Unit: 2815

Attorney Docket No.: 2269-4348US  
(MUEI-0547.00/US)

CERTIFICATE OF MAILING

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

August 29, 2003  
Date

Signature

Deidra J. Pfeil

Name (Type/Print)

AMENDMENT

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The following amendments and remarks are filed in response to the Examiner's remarks in the Office Action mailed June 5, 2003, the three-month shortened statutory period for response to which expires on September 5, 2003.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 9 of this paper.

#96 w formal drawing  
V. Howarth  
9/2/03  
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